

11/027/008



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

WARM SPRINGS RESOURCE AREA

35 East 500 North

P.O. Box 778

Fillmore, Utah 84631

DOGM
MINERALS PROGRAM
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IN REPLY REFER TO:

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(U-055)

37863 to U-37912

June 29, 1993

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JUL 08 1993

DIVISION OF
OIL GAS & MINING

LARRY SOWER
GENERAL MANAGER
CRYSTAL PEAK MINERALS CORP
PO BOX 100
MILFORD UT 84715

Dear Mr. Sower:

Thank you for your letter dated June 7, 1993, which outlines Crystal Peak Minerals Corporation's (CPMC) proposal for reclamation of the Sevier Lake Project located in T. 24 S., R. 12 W., SLBM. This proposal incorporates the reclamation requirements that were discussed on June 3, 1993, at the project site, by Wayne Hedberg, Holland Shepard, Utah Division of Oil Gas and Mining (UDOGM), Alan Rabinoff, Allen Vance, Stan Perkes, Michael Jackson, Roddy Cox, Bureau of Land Management (BLM) and yourself.

We have coordinated our review of this proposal to the extent possible with the UDOGM. Generally, we are in concurrence with the information contained in the proposal. However, questions have arisen over details related to reclamation of the access road and campsite. The proposal states these areas will be reclaimed as per the original 1989 reclamation agreement. This office has been unable to locate a specific "reclamation agreement". The following is a synopsis of reclamation measures related to the roads and campsite.

Crystal Peak Minerals Corporation Sevier Lake Project 1989 Mining Plan, page 12 states "Reclamation planning for the plant site and bonding requirements are addressed in the State of Utah Special Use Lease".

The Environmental Assessment, EA #UT-050-87-080, does not specify reclamation procedures for the roads and camp site. However, the Decision/Record Rationale (ROD), Stipulation 2., specifies a seed mix for areas that do not have high salt concentrations. This seed mix is shown below:

<u>SEED</u>	<u>POUNDS PER ACRE</u>
Indian Ricegrass	1/2
Prostrate Koshia	1
Ephraim Crested Wheatgrass	3
Winterfat	1/2

Stipulation 7., of the ROD states "Upon abandonment of the salt extraction operation, the processing plant and associated facilities located on State land (Section 16, under a lease) will be removed. The earth will be returned to a natural contour and reseeded to specifications of the State of Utah.

Stipulation 8., of the ROD states "All disturbed areas will be seeded with the seed mix specified in the soils section of the mitigation portion of this EA". This is the seed mix shown above.

At the June 3, 1993 project site inspection, traditional reclamation for the roads and campsite was agreed upon. Interagency consultation between the BLM

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and the UDOGM has resulted in the following recommended procedure for reclaiming these areas.

Compacted surfaces should be ripped to a depth of two to three feet. After ripping, local hay should be used as mulch and disked into the soil before planting seed. The seed should be drilled into the ground in October or early November of 1993, before the ground freezes. The BLM requires pure live seed be purchased for the rehabilitation of federal land and may request a copy of the seed tag and purchase receipt for our files. The seed mix listed below is recommended by both agencies for the rehabilitation of the Sevier Lake Project:

Grasses

<u>Common Name</u>	<u>Scientific Name</u>	<u>lbs/acre</u>
Crested wheatgrass	Agropyron cristatum	2
Streamband wheatgrass	Agropyron riparian	2
Bluebunch wheatgrass	Agropyron spicatum	2
Indian ricegrass	Oryzopsis hymenoides	2
Sand dropseed	Sporobolus cryptandrus	2 1/2

Forbs

Blue flax	Linum lewisii	2 1/2
Alfileria	Erodium cicutarium	2 1/2
Sweetclover	Melilotus officinalis	1 1/2
Desert globemallow	Sphaeralcea ambigua	2 1/2

Trees and Shrubs


Fourwing saltbush	Atriplex canescens	2
Shadscale	Atriplex confertifolia	2
Rubber rabbitbrush	Chrysothamnus nauseosus	1 1/2

Total = 17 1/2 lbs/acre

The seed rate above is for drill seeding only. It is recommended that a range drill be used for the seeding. If it is not possible to drill the seed, the seed can be broadcast. If the seed is broadcast, the rate should be increased by one half the above amount (e.g. Indian Ricegrass would equal 3 lbs/acre). After broadcasting, the land should be dragged or lightly harrowed to bed the seeds. We suggest the operator check the cost for each species with the seed supplier. If the cost for some of these species is unreasonable compared to the others, then drop them off the list. Each category; grass, forb, shrub, should have at least three species.

If you have any questions regarding this letter, please feel free to contact Rody Cox at (801) 743-6811.

Sincerely,


Rex Rowley
Area Manager

cc: Stan Perkes, U-921
Michael Jackson, RDO
D. Wayne Hedberg, UDOGM